Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

1	1 (Currently Amended). A real time recording/reproducing system for
2	converting an analog image signal in an analog-to-digital converter (ADC)
3	to digital data, recording the digital data in a recorder, reading out the
4	digital data recorded in the recorder and converting the read-out digital
5	data in a digital-to-analog converter (DAC) to analog data to be outputted,
6	the real time recording/reproducing system comprising:
7	a first frame memory for storing the output of the ADC;
8	a compression processing module for compressing the output of the
9	first frame memory;
10	a decompression processing module for decompressing the digital
11	data read out from the recorder;
12	a second frame memory for storing the output of the decompression
13	processing module and outputting the stored data to the DAC; and
14	a frame rate controller for controlling the compression processing
15	module to hold a constant intrinsic frame rate by executing frame
16	interpolating processing.
1	Claim 2 (Currently Amended). A real time recording/reproducing system
2	for converting an analog image signal in an analog-to-digital converter
3	(ADC) to digital data, recording the digital data in a recorder, reading out
4	the digital data recorded in the recorder and converting the read-out digital
5	data in a digital-to-analog converter (DAC) to analog data to be outputted,
6	the real time recording/reproducing system comprising:
7	a first frame memory for storing the output of the ADC;
8	a compression processing module for compressing the output of the
9	first frame memory;
10	a decompression processing module for decompressing the digital
11	data read out from the recorder;

12	a second frame memory for storing the output of the decompression
13	processing module and outputting the stored data to the DAC; and
14	a frame rate controller for controlling the frame rate of the
15	compression processing module to be constant by executing a frame
16	interpolating processing, and wherein the compression processing module
17	has a frame thinning-out function of reducing an actual frame rate while
18	holding a constant intrinsic frame rate.
1	Claim 3 (Currently Amended). A real time recording/reproducing system
2	for converting an analog image signal in an analog-to-digital converter
3	(ADC) to digital data, recording the digital data in a recorder, reading out
4	the digital data recorded in the recorder and converting the read-out digital
5	data in a digital-to-analog converter (DAC) to analog data to be outputted,
6	the real time recording/reproducing system comprising:
7	a first frame memory for storing the output of the ADC;
8	a compression processing module for compressing the output of the
9	first frame memory;
10	a decompression processing module for decompressing the digital
11	data read out from the recorder and executing a frame skipping processing
12	when it becomes unable to execute full frame real time decompression
13	processing;
14	a second frame memory for storing the output of the decompression
15	processing module and outputting the stored data to the DAC; and
16	a frame rate controller for controlling the compression processing
17	module to be constant by executing frame interpolating processing,
18	wherein the decompression processing module has a function of thinning
19	out frames for continuing reproduction synchronous to voice.
1	Claim 4 (Currently Amended). The real time recording/reproducing system
2	according to claim 1, wherein the frame thinning-out in the decompression
3	processing module and the frame skipping in the decompression
4	processing module are performed preferentially from frame-interpolation

3	frames to generate digital compressed data involving much motion.
1	Claim 5 (Currently Amended). The real time recording/reproducing system
2	according to claim 1, wherein the compression processing modules module
3	adds data bit stream data including a picture header representing the a start
4	of a frame compression code, a user data representing a thinned-out frame
5	and a reference frame code representing the same frame as a reference
6	frame.
1	Claim 6 (Currently Amended). A real time recording/reproducing system
2	method for recording a digital data in a recorder obtained by converting an
3	analog image signal, and reproducing the recorded the digital data through
4	in the an analog data fromat format comprising steps of:
5	storing the digital data in a first frame memory;
6	compressing the output of the first frame memory;
7	recording a compressed output of the first frame memory as digital
8	data in the recorder;
9	decompressing the digital data read out from the recorder;
10	storing the decompressed data in a second memory;
11	controlling the frame rate of the compressed data output of the first
12	frame memory to be constant by executing a frame interpolating
13	processing; and
14	executing a frame skipping processing when it becomes unable to
15	execute full frame real time decompression processing cannot be executed.
1	Claim 7 (Original). The real time recording/reproducing system according
2	to claim 6, wherein the frame thinning-out and the frame skipping
3	operations are performed preferentially from frame-interpolation frames to
4	generate digital compressed data involving much motion.
1	Claim 8 (Original). The real time recording/reproducing system according
2	to claim 6, wherein in the compression processing operation data bit

3 stream data including a picture header representing the start of a frame 4 compression code, a user data representing a thinned-out frame and a 5 reference frame code representing the sameframe are addedas a reference 6 frame. 1 Claim 9 (New). The real time recording/reproducing system according to 2 claim 1, wherein the compression processing module and the 3 decompression processing modules are constituted by central processing 4 unit (CPU) software processing parts. 1 Claim 10 (New). The real time recording/reproducing system according to 2 claim 9, wherein the ADC is a video capture card and the DAC is a graphic 3 accelerator card. 1 Claim 11 (New). The real time recording/reproducing system according to 2 claim 10, wherein the first and second frame memories are main memory 3 and video memory, respectively. 1 Claim 12 (New). The real time recording/reproducing system according to 2 claim 11, wherein the recorder is constituted by a hard disc drive.